

Gregory, Bernarr

From: PLUS
Sent: Wednesday, March 09, 2005 8:51 AM
To: Gregory, Bernarr
Subject: PLUS Results for 10675596

Here are the PLUS search results for 10675596.

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10675596_QUAL.txt



10675596_LIST.txt



10675596_WEST.txt



10675596_EAST.txt



10675596.east



10675596_CLS.txt



10675596_CLSTITLES.t



10675596_WDS.txt

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PLUS Search Results for S/N 10675596, Searched March 09, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10675596_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10675596 on March 09, 2005

Original Classifications

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6	89/41.05
6	273/348.1
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5	102/213
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2	473/455
2	701/301

Cross-Reference Classifications

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Combined Classifications

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2 359/1
2 359/13
2 359/337
2 359/795
2 367/118
2 367/8
2 372/99
2 382/109
2 382/224
2 382/293
2 428/919
2 434/17
2 434/23
2 442/391
2 442/412
2 463/47.1

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2 463/50
2 463/51
2 463/52
2 473/453
2 473/455
2 473/458
2 701/215
2 701/301
2 703/6
2 703/7

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Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10675596 on March 09, 2005

16	342/62	(3 OR, 13 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/61	RETURN SIGNAL CONTROLS EXTERNAL DEVICE
	342/62	.Missile or spacecraft guidance
16	434/20	(8 OR, 8 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING
	434/16	.Gunnery
	434/19	..Gun aiming
	434/20	...Cinematographic or cathode ray screen display
16	434/22	(10 OR, 6 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING
	434/16	.Gunnery
	434/19	..Gun aiming
	434/21	...Training apparatus using beam of infrared, visible light, or ultraviolet radiation
	434/22Beam sensor included in apparatus
15	89/1.11	(5 OR, 10 XR)
	Class	089 : ORDNANCE
	89/1.11	WAGING WAR
13	434/19	(3 OR, 10 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING
	434/16	.Gunnery
	434/19	..Gun aiming
13	434/21	(4 OR, 9 XR)
	Class	434 : EDUCATION AND DEMONSTRATION
	434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTING

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434/16 .Gunnery
 434/19 ..Gun aiming
 434/21 ...Training apparatus using beam of infrared,
 visible light, or ultraviolet radiation

11 342/196 (0 OR, 11 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing
 342/196 ..Fast fourier transform (FFT)

11 382/103 (7 OR, 4 XR)
 Class 382 : IMAGE ANALYSIS
 382/100 APPLICATIONS
 382/103 .Target tracking or detecting

10 244/3.16 (4 OR, 6 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance
 244/3.16 ..Optical (includes infrared)

9 89/41.05 (6 OR, 3 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.02 ..Motor operated
 89/41.05 ...By television monitoring

8 244/3.15 (4 OR, 4 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.15 .Automatic guidance

8 250/342 (2 OR, 6 XR)
 Class 250 : RADIANT ENERGY
 250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
 SIGNALLING
 250/338.1 .Infrared responsive
 250/340 ..Methods
 250/342 ...Locating infrared emissive objects

8 273/348.1 (6 OR, 2 XR)
 Class 273 : AMUSEMENT DEVICES: GAMES
 273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
 TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

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THAN PROJECTOR OR

PROJECTILE, PER SE

273/348 .Target
273/348.1 ..Including heating means (i.e., thermal target)

7 89/41.17 (2 OR, 5 XR)

Class 089 : ORDNANCE

89/37.01 MOUNTS

89/41.01 .Training mechanisms

89/41.17 ..Aiming device mounted on gun

7 244/3.14 (3 OR, 4 XR)

Class 244 : AERONAUTICS

244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.11 .Remote control

244/3.14 ..Radio wave

7 244/3.19 (2 OR, 5 XR)

Class 244 : AERONAUTICS

244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

244/3.15 .Automatic guidance

244/3.19 ..Radio wave

7 342/25C (2 OR, 5 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/25R SYNTHETIC APERTURE RADAR

342/25A .Mapping or imaging using synthetic aperture radar

342/25C ..Combined with monopulse or interferometric

6 89/41.06 (2 OR, 4 XR)

Class 089 : ORDNANCE

89/37.01 MOUNTS

89/41.01 .Training mechanisms

89/41.02 ..Motor operated

89/41.06 ...By light reception

6 89/41.22 (0 OR, 6 XR)

Class 089 : ORDNANCE

89/37.01 MOUNTS

89/41.01 .Training mechanisms

89/41.19 ..Sights or line devices

89/41.22 ...For anti-aircraft

6 102/213 (5 OR, 1 XR)

Class 102 : AMMUNITION AND EXPLOSIVES

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102/200	IGNITING DEVICES AND SYSTEMS
102/206	.Ignition or detonation circuit
102/211	..Proximity fuze
102/213	...Light or infrared
6 244/3.11	(3 OR, 3 XR)
Class 244	: AERONAUTICS
244/3.1	MISSILE STABILIZATION OR TRAJECTORY CONTROL
244/3.11	.Remote control
6 250/332	(1 OR, 5 XR)
Class 250	: RADIANT ENERGY
250/330	INFRARED-TO-VISIBLE IMAGING
250/332	.Including detector array
6 342/179	(4 OR, 2 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/175	WITH PARTICULAR CIRCUIT
342/176	.Display
342/179	..Image production
6 342/192	(0 OR, 6 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/175	WITH PARTICULAR CIRCUIT
342/192	.Spectrum analysis
6 342/194	(0 OR, 6 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/175	WITH PARTICULAR CIRCUIT
342/194	.Complex signal (in phase and quadrature)
6 342/90	(4 OR, 2 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89	.Receiver
342/90	..Automatic target detection
6 434/11	(5 OR, 1 XR)
Class 434	: EDUCATION AND DEMONSTRATION
434/11	ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

6 463/5 (1 OR, 5 XR)

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Class 463 : AMUSEMENT DEVICES: GAMES
 463/1 INCLUDING MEANS FOR PROCESSING ELECTRONIC DATA
 (E.G., COMPUTER/VIDEO GAME, ETC.)
 463/2 .In a game including a simulated projectile
 (e.g., bullet, missile, ball, puck, etc.)
 463/5 ..Simulated projector with diverse interactive
 target

5 102/211 (0 OR, 5 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/200 IGNITING DEVICES AND SYSTEMS
 102/206 .Ignition or detonation circuit
 102/211 ..Proximity fuze

5 250/495.1 (2 OR, 3 XR)
 Class 250 : RADIANT ENERGY
 250/493.1 RADIANT ENERGY GENERATION AND SOURCES
 250/494.1 .Plural radiation sources
 250/495.1 ..Including an infrared source

5 342/149 (1 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/147 DETERMINING DIRECTION
 342/149 .Monopulse

5 342/195 (0 OR, 5 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing

5 342/59 (1 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/59 PLURAL RADAR

5 348/164 (0 OR, 5 XR)
 Class 348 : TELEVISION
 348/162 RESPONSIVE TO NONVISIBLE ENERGY
 348/164 .Infrared

5 434/16 (0 OR, 5 XR)
 Class 434 : EDUCATION AND DEMONSTRATION
 434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery

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5 701/213 (1 OR, 4 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
 701/200 NAVIGATION
 701/207 .Employing position determining equipment
 701/213 ..Using Global Positioning System (GPS)

4 89/41.09 (1 OR, 3 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.02 ..Motor operated
 89/41.09 ...Gyroscopically or pendulum controlled

4 102/384 (1 OR, 3 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/382 DROP BOMBS
 102/384 .With direction controlling means

4 102/393 (0 OR, 4 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/382 DROP BOMBS
 102/393 .Cluster type

4 244/3.1 (0 OR, 4 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL

4 244/3.13 (1 OR, 3 XR)
 Class 244 : AERONAUTICS
 244/3.1 MISSILE STABILIZATION OR TRAJECTORY CONTROL
 244/3.11 .Remote control
 244/3.13 ..Beam rider

4 250/216 (0 OR, 4 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system

4 342/159 (0 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/159 CLUTTER ELIMINATION

4 342/161 (0 OR, 4 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

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342/159 CLUTTER ELIMINATION

342/160 .MTI (Moving target indicator)

342/161 ..With vehicle movement compensation (e.g.,
AMTI (Airborn MTI))

4 342/53 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM

342/53 .With infrared device

4 342/61 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

4 342/63 (0 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/63 .Aircraft guidance

4 342/64 (2 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/63 .Aircraft guidance

342/64 ..With map matching

4 342/67 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/67 .Gun (e.g., fire control)

4 348/169 (1 OR, 3 XR)

Class 348 : TELEVISION

348/169 OBJECT TRACKING

4 356/141.1 (0 OR, 4 XR)

Class 356 : OPTICS: MEASURING AND TESTING

356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT

356/140 .Apex of angle at observing or detecting
station

356/141.1 ..With photodetection of reflected beam angle
with respect to a unidirectional source bea

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4 367/128 (3 OR, 1 XR)
 Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
 SYSTEMS AND DEVICES
 367/118 DISTANCE OR DIRECTION FINDING
 367/128 .With electromagnetic wave

3 42/114 (0 OR, 3 XR)
 Class 042 : FIREARMS
 42/90 IMPLEMENTS
 42/111 .Sight devices
 42/114 ..Focused beam (e.g., laser on target, etc.)

3 89/1.56 (2 OR, 1 XR)
 Class 089 : ORDNANCE
 89/1.51 BOMB, FLARE AND SIGNAL DROPPING
 89/1.56 .Electrical and radio releases and sighting

3 89/1.815 (0 OR, 3 XR)
 Class 089 : ORDNANCE
 89/1.8 ROCKET LAUNCHING
 89/1.815 .Movable launcher

3 89/1.816 (0 OR, 3 XR)
 Class 089 : ORDNANCE
 89/1.8 ROCKET LAUNCHING
 89/1.816 .Having tubular guide means

3 89/134 (1 OR, 2 XR)
 Class 089 : ORDNANCE
 89/125 AUTOMATIC
 89/132 .Firing device operation or control (e.g., ful
 automatic)
 89/134 ..Disabled at predetermined angles of fire

3 89/41.03 (1 OR, 2 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms
 89/41.02 ..Motor operated
 89/41.03 ...Predetermining parameters for automatic
 firing

3 89/41.07 (1 OR, 2 XR)
 Class 089 : ORDNANCE
 89/37.01 MOUNTS
 89/41.01 .Training mechanisms

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	89/41.02	..Motor operated
	89/41.07	...By radar
3	89/41.19	(2 OR, 1 XR)
	Class 089	: ORDNANCE
	89/37.01	MOUNTS
	89/41.01	.Training mechanisms
	89/41.19	..Sights or line devices
3	89/41.21	(1 OR, 2 XR)
	Class 089	: ORDNANCE
	89/37.01	MOUNTS
	89/41.01	.Training mechanisms
	89/41.19	..Sights or line devices
	89/41.21	...On aircraft
3	102/293	(0 OR, 3 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/293	MISCELLANEOUS
3	102/399	(2 OR, 1 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/399	MARINE-TYPE PROJECTILE
3	102/476	(1 OR, 2 XR)
	Class 102	: AMMUNITION AND EXPLOSIVES
	102/473	SHELLS
	102/475	.Focused or directed detonation
	102/476	..Shaped charge
3	114/20.1	(1 OR, 2 XR)
	Class 114	: SHIPS
	114/20.1	TORPEDOES
3	244/3.17	(3 OR, 0 XR)
	Class 244	: AERONAUTICS
	244/3.1	MISSILE STABILIZATION OR TRAJECTORY CONTROL
	244/3.15	.Automatic guidance
	244/3.16	..Optical (includes infrared)
	244/3.17	...Optical correlation
3	250/334	(1 OR, 2 XR)
	Class 250	: RADIANT ENERGY
	250/330	INFRARED-TO-VISIBLE IMAGING
	250/334	.Including means for scanning field of view
3	342/160	(0 OR, 3 XR)
	Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

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AND DEVICES

342/159 CLUTTER ELIMINATION
342/160 .MTI (Moving target indicator)

3 342/162 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/159 CLUTTER ELIMINATION
342/160 .MTI (Moving target indicator)
342/162 ..Digital

3 342/25F (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
radar
342/25F ..Particular SAR processing techniques (e.g.
squint mode, doppler beam-sharpening mode,
spotlight mode,
bistatic SAR, inverse SAR)

3 342/25R (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR

3 342/52 (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/52 COMBINED WITH DIVERSE TYPE RADIANT ENERGY
SYSTEM

3 342/95 (1 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking

3 342/97 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/94 ..Gating
342/95 ...Automatic range tracking

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342/97With automatic lock-on

3 348/121 (0 OR, 3 XR)

Class 348 : TELEVISION
348/61 SPECIAL APPLICATIONS
348/121 .Simulator

3 356/141.3 (1 OR, 2 XR)

Class 356 : OPTICS: MEASURING AND TESTING
356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
356/140 .Apex of angle at observing or detecting
station
356/141.2 ..With photodetection
356/141.3 ...With unidirectional or planar source beam
directed at the photodetecting station

3 367/131 (1 OR, 2 XR)

Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/131 UNDERWATER SYSTEM

3 367/136 (1 OR, 2 XR)

Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/135 RECEIVER CIRCUITRY
367/136 .Responsive to intruder energy

3 434/18 (0 OR, 3 XR)

Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/18 ..Gun recoil simulation

2 42/105 (1 OR, 1 XR)

Class 042 : FIREARMS
42/90 IMPLEMENTS
42/105 .For launching grenades

2 42/115 (1 OR, 1 XR)

Class 042 : FIREARMS
42/90 IMPLEMENTS
42/111 .Sight devices
42/114 ..Focused beam (e.g., laser on target, etc.)
42/115 ...Having beam adjusting structure or mounted
for correction

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- 2 42/119 (1 OR, 1 XR)
 - Class 042 : FIREARMS
 - 42/90 IMPLEMENTS
 - 42/111 .Sight devices
 - 42/119 ..Telescopic type
- 2 73/1.77 (1 OR, 1 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/1.01 INSTRUMENT PROVING OR CALIBRATING
 - 73/1.75 .Angle, direction, or inclination
 - 73/1.77 ..Gyroscope
- 2 89/1.51 (1 OR, 1 XR)
 - Class 089 : ORDNANCE
 - 89/1.51 BOMB, FLARE AND SIGNAL DROPPING
- 2 89/200 (1 OR, 1 XR)
 - Class 089 : ORDNANCE
 - 89/37.01 MOUNTS
 - 89/41.01 .Training mechanisms
 - 89/41.19 ..Sights or line devices
 - 89/200 ...Straight-line light ray type
- 2 89/40.03 (1 OR, 1 XR)
 - Class 089 : ORDNANCE
 - 89/37.01 MOUNTS
 - 89/40.01 .For field use
 - 89/40.03 ..On armored car
- 2 89/41.15 (0 OR, 2 XR)
 - Class 089 : ORDNANCE
 - 89/37.01 MOUNTS
 - 89/41.01 .Training mechanisms
 - 89/41.02 ..Motor operated
 - 89/41.15 ...With unitary control for plural motors
- 2 102/351 (1 OR, 1 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/335 PYROTECHNICS
 - 102/347 .Rocket
 - 102/351 ..With means to eject object from casing
- 2 102/382 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES
 - 102/382 DROP BOMBS
- 2 102/475 (0 OR, 2 XR)
 - Class 102 : AMMUNITION AND EXPLOSIVES

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102/473      SHELLS
102/475      .Focused or directed detonation

2  102/513      (1 OR, 1 XR)
    Class 102 :  AMMUNITION AND EXPLOSIVES
102/501      PROJECTILES
102/513      .Target marking

2  102/529      (0 OR, 2 XR)
    Class 102 :  AMMUNITION AND EXPLOSIVES
102/501      PROJECTILES
102/529      .Practice or cleaning

2  235/407      (0 OR, 2 XR)
    Class 235 :  REGISTERS
235/400      ORDNANCE OR WEAPON SYSTEMS COMPUTER
235/404      .Aiming
235/407      ..Compensating for weapon movement (e.g., tilt
)

2  235/462.49   (0 OR, 2 XR)
    Class 235 :  REGISTERS
235/435      CODED RECORD SENSORS
235/439      .Particular sensor structure
235/454      ..Optical
235/462.01   ...Bar code
235/462.43   ....Specified housing or mounting detail
235/462.45   .....Hand-held (e.g., portable)
235/462.49   .....Wand-type reader (e.g., manual scan)

2  235/472.03   (0 OR, 2 XR)
    Class 235 :  REGISTERS
235/435      CODED RECORD SENSORS
235/439      .Particular sensor structure
235/454      ..Optical
235/472.01   ...Hand-held (e.g., portable)
235/472.03   ....Wand-type reader (e.g., manual scan)

2  244/3.2      (0 OR, 2 XR)
    Class 244 :  AERONAUTICS
244/3.1      MISSILE STABILIZATION OR TRAJECTORY CONTROL
244/3.15     .Automatic guidance
244/3.2      ..Inertial

2  244/3.21     (1 OR, 1 XR)
    Class 244 :  AERONAUTICS
244/3.1      MISSILE STABILIZATION OR TRAJECTORY CONTROL

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244/3.15 .Automatic guidance
244/3.21 ..Attitude control mechanisms

2 250/208.1 (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
250/206 .Photocell controlled circuit
250/208.1 ..Plural photosensitive image detecting elemen

t

arrays

2 250/330 (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/330 INFRARED-TO-VISIBLE IMAGING

2 250/493.1 (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/493.1 RADIANT ENERGY GENERATION AND SOURCES

2 250/504R (0 OR, 2 XR)
Class 250 : RADIANT ENERGY
250/493.1 RADIANT ENERGY GENERATION AND SOURCES
250/503.1 .With radiation modifying member
250/504R ..Ultraviolet or infrared source

2 273/348 (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

THAN PROJECTOR OR

PROJECTILE, PER SE
273/348 .Target

2 273/407 (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

THAN PROJECTOR OR

PROJECTILE, PER SE
273/348 .Target
273/407 ..Target support structure

2 273/408 (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/317 AERIAL PROJECTILE GAME; GAME ELEMENT (E.G.,
TARGET, ETC.) OR ACCESSORY THEREFOR OTHER

THAN PROJECTOR OR

PROJECTILE, PER SE

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273/348 .Target
 273/408 ..Target penetrated by projectile

2 324/239 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/200 MAGNETIC
 324/228 .With means to create magnetic field to test
 material
 324/239 ..Induced voltage-type sensor

2 324/243 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/200 MAGNETIC
 324/228 .With means to create magnetic field to test
 material
 324/239 ..Induced voltage-type sensor
 324/243 ...Plural sensors

2 340/541 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection

2 340/551 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/551 ...Disturbance of magnetic field

2 340/554 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/552 ...Disturbance of electromagnetic waves
 340/554Doppler effect

2 340/971 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS
 340/971 .Nonalarm flight indicator

2 342/10 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/5 RADAR REFLECTOR

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342/10 .Inflatable or collapsable

2 342/13 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)

2 342/171 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/169 .By simulation
 342/171 ..Doppler

2 342/173 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring

2 342/174 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring
 342/174 ..Calibrating

2 342/175 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT

2 342/193 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/192 .Spectrum analysis
 342/193 ..Harmonic

2 342/197 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing
 342/197 ..With video quantizer

2 342/25A (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

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AND DEVICES

342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
 radar

2 342/26R (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/26R Radar for meteorological use

2 342/28 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/27 PRESENCE DETECTION ONLY
 342/28 .By motion detection

2 342/357.06 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)

2 342/357.08 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite
 342/357.01 ..With position indicating
 342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
 342/357.08 Determining relative position (e.g.,
 distance or direction)

2 342/371 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/368 .Including a steerable array
 342/371 ..With electronic scanning

2 342/45 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/42 RADAR TRANSPONDER SYSTEM
 342/45 .IFF or SIF

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2	342/54	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/54	.With laser
2	342/55	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/55	.With television
2	342/58	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/52	COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM
	342/58	.With transmission to a remote station
2	342/60	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/60	TRANSMITTING INTELLIGENCE
2	342/89	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89	.Receiver
2	342/9	(0 OR, 2 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/5	RADAR REFLECTOR
	342/7	.Corner
	342/9	..Decoy or tow target
2	342/96	(1 OR, 1 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/73	RETURN SIGNAL CONTROLS RADAR SYSTEM
	342/89	.Receiver
	342/94	..Gating
	342/95	...Automatic range tracking
	342/96Automatic track while scan (ATWS)

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2 342/99 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
 342/89 .Receiver
 342/98 ..Frequency
 342/99 ...Doppler frequency tracking

2 343/725 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/725 .Plural separate diverse type

2 343/754 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/753 .With spaced or external radio wave refractor
 (e.g., lens)
 343/754 ..With scanning, sweeping, or orienting

2 345/179 (0 OR, 2 XR)
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
 INTERFACE PROCESSING, AND SELECTIVE VISUAL
 DISPLAY
 SYSTEMS
 345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
 345/179 .Stylus

2 345/180 (0 OR, 2 XR)
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
 INTERFACE PROCESSING, AND SELECTIVE VISUAL
 DISPLAY
 SYSTEMS
 345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
 345/180 .Light pen for CRT display

2 348/117 (2 OR, 0 XR)
 Class 348 : TELEVISION
 348/61 SPECIAL APPLICATIONS
 348/113 .Navigation
 348/117 ..Aircraft or spacecraft

2 348/135 (2 OR, 0 XR)
 Class 348 : TELEVISION
 348/61 SPECIAL APPLICATIONS
 348/135 .Object or scene measurement

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- 2 348/139 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/135 .Object or scene measurement
 - 348/139 ..Multiple cameras on baseline (e.g., range finder, etc.)
- 2 348/140 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/135 .Object or scene measurement
 - 348/140 ..Distance by apparent target size (e.g., stadia, etc.)
- 2 348/143 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
- 2 348/144 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/144 ..Aerial viewing
- 2 348/147 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/144 ..Aerial viewing
 - 348/147 ...With transformation or rectification
- 2 348/152 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/152 ..Intrusion detection
- 2 348/155 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/61 SPECIAL APPLICATIONS
 - 348/143 .Observation of or from a specific location (e.g., surveillance)
 - 348/152 ..Intrusion detection

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348/155 ...Motion detection

2 356/152.1 (2 OR, 0 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
356/152.1 .With photodetection remote from measured angl

e

2 356/153 (0 OR, 2 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/138 ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
356/153 .Alignment of axes nominally coaxial

2 356/3 (0 OR, 2 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/3 RANGE OR REMOTE DISTANCE FINDING

2 359/1 (1 OR, 1 XR)
Class 359 : OPTICS: SYSTEMS
359/1 HOLOGRAPHIC SYSTEM OR ELEMENT

2 359/13 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/1 HOLOGRAPHIC SYSTEM OR ELEMENT
359/13 .Head up display

2 359/337 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/333 OPTICAL AMPLIFIER
359/337 .Correction of deleterious effects

2 359/795 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/642 LENS
359/754 .Multiple component lenses
359/793 ..Two components
359/795 ...+ - Arrangement

2 367/118 (1 OR, 1 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/118 DISTANCE OR DIRECTION FINDING

2 367/8 (0 OR, 2 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/7 ACOUSTIC IMAGE CONVERSION

367/8 10675596_CLSTITLES
.Acoustic holography

2 372/99 (1 OR, 1 XR)
Class 372 : COHERENT LIGHT GENERATORS
372/92 PARTICULAR RESONANT CAVITY
372/98 .Specified cavity component
372/99 ..Reflector

2 382/109 (2 OR, 0 XR)
Class 382 : IMAGE ANALYSIS
382/100 APPLICATIONS
382/109 .Seismic or geological sample measuring

2 382/224 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/181 PATTERN RECOGNITION
382/224 .Classification

2 382/293 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/276 IMAGE TRANSFORMATION OR PREPROCESSING
382/293 .Changing the image coordinates

2 428/919 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/919 CAMOUFLAGED ARTICLE

2 434/17 (0 OR, 2 XR)
Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/17 ..Gunfire spotting

2 434/23 (1 OR, 1 XR)
Class 434 : EDUCATION AND DEMONSTRATION
434/11 ORGANIZED ARMED OR UNARMED CONFLICT OR SHOOTIN

G

434/16 .Gunnery
434/19 ..Gun aiming
434/23 ...Means (e.g., target, terrain model, etc.)
marked or pierced to simulate projectile im

pact point

2 442/391 (0 OR, 2 XR)
Class 442 : FABRIC

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R 442/327 NONWOVEN FABRIC (I.E., NONWOVEN STRAND OR FIBER MATERIAL)

442/381 .Including an additional nonwoven fabric

442/391 ..Multiple nonwoven fabric layers composed of the same inorganic strand or fiber material

2 442/412 (1 OR, 1 XR)
Class 442 : FABRIC
442/327 NONWOVEN FABRIC (I.E., NONWOVEN STRAND OR FIBER MATERIAL)

R 442/412 .Including a paper layer

2 463/47.1 (0 OR, 2 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/47.1 FENCING

2 463/50 (1 OR, 1 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/49 SIMULATED-PROJECTILE GAME, TARGET THEREFOR, OR ACCESSORY
463/50 .Plural simulated projectors (e.g., tennis, shoot-out, dual, etc.)

2 463/51 (0 OR, 2 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/49 SIMULATED-PROJECTILE GAME, TARGET THEREFOR, OR ACCESSORY
463/51 .Electromagnetic ray simulates projectile or its path, or utilized for coincidence detection (e.g., light-ray gun, infrared aim detector, etc.)

2 463/52 (0 OR, 2 XR)
Class 463 : AMUSEMENT DEVICES: GAMES
463/49 SIMULATED-PROJECTILE GAME, TARGET THEREFOR, OR ACCESSORY
463/51 .Electromagnetic ray simulates projectile or its path, or utilized for coincidence detection (e.g., light-ray gun, infrared aim detector, etc.)

) 463/52 ..Having active target (e.g., moving target, "hit" responsive, etc.)

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2 473/453 (0 OR, 2 XR)

Class 473 : GAMES USING TANGIBLE PROJECTILE
473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR
ACCESSORY THEREFOR OTHER THAN PROJECTOR

OR PROJECTILE, PER

SE

473/422 .Practice or training device
473/451 ..For game in which play involves base running
(e.g., for baseball, cricket, etc.)
473/453 ...Bat swing analyzer or guide

2 473/455 (2 OR, 0 XR)

Class 473 : GAMES USING TANGIBLE PROJECTILE
473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR
ACCESSORY THEREFOR OTHER THAN PROJECTOR

OR PROJECTILE, PER

SE

473/422 .Practice or training device
473/451 ..For game in which play involves base running
(e.g., for baseball, cricket, etc.)
473/454 ...Pitcher`s target
473/455With electrically operated or actuated
indicator

2 473/458 (0 OR, 2 XR)

Class 473 : GAMES USING TANGIBLE PROJECTILE
473/415 PLAYING FIELD OR COURT GAME; GAME ELEMENT OR
ACCESSORY THEREFOR OTHER THAN PROJECTOR

OR PROJECTILE, PER

SE

473/422 .Practice or training device
473/451 ..For game in which play involves base running
(e.g., for baseball, cricket, etc.)
473/458 ...Player worn or carried

2 701/215 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/213 ..Using Global Positioning System (GPS)

701/214 ...Means to improve accuracy of position or
location

701/215Having multiple GPS antennas or receivers
(e.g., differential GPS)

2 701/301 (2 OR, 0 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

		10675596_CLSTITLES
		RELATIVE LOCATION
	701/300	RELATIVE LOCATION
	701/301	.Collision avoidance
2	703/6	(1 OR, 1 XR)
	Class	703 : DATA PROCESSING: STRUCTURAL DESIGN,
		MODELING, SIMULATION, AND EMULATION
	703/6	SIMULATING NONELECTRICAL DEVICE OR SYSTEM
2	703/7	(1 OR, 1 XR)
	Class	703 : DATA PROCESSING: STRUCTURAL DESIGN,
		MODELING, SIMULATION, AND EMULATION
	703/6	SIMULATING NONELECTRICAL DEVICE OR SYSTEM
	703/7	.Mechanical

ability 1
 above 1
 abstract 1
 accomplishes 2
 accordingly 2
 accurate 1
 achieve 1
 achieved 1
 acquisition 1
 activated 1
 active 2
 activity 1
 addition 1
 adivated 1
 afford 1
 against 1
 agile 7
 airborne 1
 al 2
 alarms 2
 alerting 1
 algorithms 1
 all 3
 allow 3
 already 2
 also 6
 alternative 1
 although 1
 amenable 1
 among 4
 ampc 1
 an 3
 and 56
 any 6
 aperture 3
 apparent 1
 appended 1
 applicants 3
 application 2
 applications 1
 appropriate 1
 are 12
 area 1
 arrowheads 2
 art 1
 article 3
 as 9
 at 4

atmospheric 1
atr 20
automatic 3
autonomous 2
available 7
avoid 1
background 2
band 1
base 1
based 2
battlefields 1
be 16
because 4
been 1
being 1
best 1
better 1
between 5
both 8
built 1
by 16
bypassed 1
camouflage 1
can 9
capabilities 2
capability 1
capable 4
cc 1
center 17
changeable 1
claims 1
classification 2
classiscation 1
clause 1
climatic 1
clouds 2
clutter 4
co 1
collected 3
combinations 2
common 1
communicate 2
communicating 1
communication 3
compatible 1
compressed 1
comprised 3
comprising 2

condition 1
conditions 5
conference 1
configuration 1
confirms 1
confusers 1
consequence 1
consists 1
continue 1
control 15
converting 1
coordinate 1
coordinates 1
correct 1
correction 1
costantini 1
costs 1
counter 1
criteria 1
data 3
database 6
date 1
decompresses 1
dedicatory 1
deemed 1
defined 2
departing 1
depicted 1
deployed 1
derived 2
described 4
description 2
descriptive 1
designation 1
desirable 1
desired 1
destnlctive 1
destroying 3
destruction 2
detect 1
detected 3
detection 1
determined 1
diagram 1
different 5
direct 2
disclosure 1
discover 1

discrimination 2
dissimilar 1
distorted 1
docket 1
dotted 1
down 1
downlinked 1
drawing 3
during 1
each 2
effects 1
either 4
electro 6
electromagnetic 1
eliminate 1
eliminated 1
elimination 1
embodiment 4
embodiments 1
emerge 1
encompassing 2
engagements 2
entail 1
environment 1
environmental 1
equipped 2
established 1
establishing 1
et 2
even 1
eventually 1
example 1
except 1
excluding 1
exist 1
existing 1
extent 1
fair 4
false 2
features 2
figure 11
figures 3
filing 1
filter 1
first 4
fixed 1
fog 1
for 22

foregoing 1
form 3
formatted 1
foul 6
from 8
function 1
functionality 1
functioning 1
further 1
fused 1
fusing 2
fusion 3
future 1
general 1
given 1
government 1
governmental 1
great 1
greatest 2
group 3
groups 1
gurable 2
hand 1
has 2
have 1
having 5
help 1
herein 3
hereto 1
heretofor 1
high 1
higher 1
highest 1
highly 1
holds 1
however 1
hsi 1
hsu 2
hyperspectral 4
identification 1
ieee 2
if 2
illustrated 3
illustrates 1
image 3
imagery 3
images 3
improved 1

in 38
include 1
includes 1
incorporated 2
indicated 1
information 9
interest 2
into 1
invention 5
inventors 1
irrelevant 1
is 42
it 7
its 3
itself 1
kind 2
knowledge 3
known 3
laser 3
latency 1
launched 1
least 2
level 1
lf 1
licensed 1
like 2
likelihood 1
likely 1
likewise 1
limitations 2
limited 2
lines 2
linked 1
little 1
ln 1
lnvention 1
located 2
location 4
locations 1
lower 1
lt 1
made 1
maintain 1
makes 1
manufactured 1
many 3
mario 1
match 1

matching 1
material 1
materials 1
may 8
means 24
method 3
metrics 1
minimize 1
minimizes 1
misclassifications 1
mobile 1
modifications 1
most 6
mounted 2
multi 6
multiple 5
must 3
necessity 1
need 2
new 2
no 2
non 1
not 1
noted 1
now 1
number 2
numbers 1
object 1
obscured 1
of 74
offers 1
often 1
oftheinvention 1
on 18
one 2
only 1
onto 1
operate 1
operation 1
optical 6
optimize 1
or 21
other 1
others 1
over 2
page 8
pages 2
part 1

particular 2
particularly 1
partitioned 1
parts 1
passive 2
paths 1
pattern 2
payment 1
performance 3
performed 1
performs 2
period 1
pertains 1
pittman 1
placed 1
platform 9
platforms 1
plural 1
poor 1
position 2
positioned 1
possessing 2
possible 2
potential 6
potentially 1
practical 1
pre 1
precision 4
predicted 1
preferred 1
presented 1
primary 10
proceedings 1
process 1
processed 2
processes 2
processing 2
produces 1
proper 1
provide 1
provided 1
purely 1
purposes 1
quantified 1
radar 4
radars 2
radiance 1
rain 1

rapid 7
real 4
receipt 3
receiving 2
recognition 5
recognizer 1
recon 2
reconfigurable 2
reconfigurable 1
reconfigurable 5
reconfigured 1
record 1
refer 1
reference 2
references 1
referred 1
reformats 1
regions 1
registering 1
relative 4
renectance 1
represent 3
require 1
required 1
requirement 1
resident 3
resolution 4
resolutions 1
respectively 2
response 1
restricted 1
result 1
retraining 7
reusable 1
rhe 1
richard 1
robustness 2
royalties 1
salk 1
same 3
sar 11
scene 8
scnsoiy 1
scope 2
second 4
secondary 8
selected 7
selects 1

sense 1
sensed 2
sensing 23
sensor 10
sensors 19
serial 1
sets 1
several 4
short 1
should 1
shown 1
shows 5
signal 1
signature 9
signatures 2
similar 1
sims 1
simultaneous 2
simultaneously 1
since 2
singular 1
skilled 1
so 4
solid 1
some 4
spatial 3
specifc 1
specific 3
specisc 1
spectra 1
spectral 6
spirit 1
strategically 2
strike 3
strikes 1
su 1
substantial 1
substitution 1
succeed 1
success 1
successfully 2
such 5
suitability 1
summary 1
surveillance 16
surveilling 2
surveils 1
synthetic 4

system 16
systems 2
target 52
targets 13
taught 2
techniques 1
terrain 2
that 15
the 192
their 1
therearer 1
therefore 1
therein 1
thereon 2
these 2
this 11
those 1
through 7
time 3
timeline 2
tisar 1
title 1
tlexibility 2
to 37
together 1
topography 1
toward 1
training 2
trajectory 6
transfer 1
transformation 1
transmits 1
transmitted 1
transmitting 2
true 1
turn 1
two 1
type 4
types 3
typically 1
ultimately 2
unintended 1
unknown 1
update 2
updates 2
updating 2
upon 2
us 1

use 5
 used 4
 useful 2
 using 5
 usually 1
 utilize 1
 utilizing 1
 various 7
 varying 1
 very 1
 virtually 1
 vol 1
 wasteful 1
 way 1
 weapon 18
 weaponry 2
 weapons 18
 weather 23
 well 1
 wepon 1
 when 3
 wherein 6
 which 3
 while 1
 william 1
 with 10
 without 2
 world 2
 would 1
 zero 1